

## 8.0 PROTECTIVENESS STATEMENT

The remedies implemented at the MPA, NRS, and Water Plant #2 at the Carrier facility are protective of human health and the environment. Results of the five-year review indicate that:

- Mass removal at the two SVE treatment areas is ongoing, and significant mass reduction has occurred since the systems were installed.
- Concentrations in MW-31 are decreasing, indicating the MPA system is effective at mass removal and that mass contributions to the Memphis Sand aquifer are decreasing accordingly.
- TCE concentrations at Water Plant #2 are increasing, indicating that the wells are drawing in contaminants formerly beneath the Main Plant.
- Groundwater extraction rates are being maintained at levels sufficient to contain the TCE plume. Moreover, the Town of has indicated that increased demand requires additional pumping from Water Plant #2, as evidenced by higher peak flows (5% of all daily flows are greater than 1.2 MGD).

Conditions at the Site are not expected to change in the near future, given the area's land use (industrial/commercial) and zoning controls currently in place. Access controls and surface conditions (e.g., pavement in the MPA area) are adequate to prevent exposure.

5-year review report.doc